

**METHOD AND APPARATUS FOR PERIODIC PHASE ALIGNMENT****ABSTRACT**

In one form, apparatus for aligning clock signals includes first and second logic circuitry 5 for receiving respective first and second clock signals. The first and second clock signals are substantially synchronized and operations of the first logic circuitry and second logic circuitry are clocked by the respective first and second clock signals. The first logic circuitry receives a third clock signal derived from the second clock signal, and by repeatedly sampling the third clock signal with the first clock signal, the first logic circuitry repeatedly detects relative phase 10 relations of the first and third clock signals. The second logic circuitry adjusts the phase of the third clock signal responsive to an accumulation of the phase relation detecting.

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